



Missouri Teacher Preparation Institution PROFILE

UNIVERSITY OF MISSOURI - ROLLA

GENERAL INFORMATION

About the Institution

The University of Missouri-Rolla is one of the four University of Missouri campuses, and the state's primary technological campus.

UMR, established in 1871 as the Missouri School of Mines and Metallurgy, has a long tradition as the leading center in the state for education in engineering and related sciences. In keeping with its land-grant tradition, the graduates of UMR have aided in the development of the industrial and technological economy of the state and the nation.

The UMR campus encompasses about 284 acres and combines both old and new architecture. Many new buildings have been constructed in the past several years.

UMR offers degree programs through its College of Arts and Sciences, School of Engineering and School of Mines and Metallurgy

Source: <http://www.umn.edu/>

• Enrollment* **3698** (0 undergraduates)

| | |
|--------------------|-------------------------|
| Non-resident Alien | 16% |
| African American | 4.5% |
| American Indian | 0.6% |
| Asian | 3.4% |
| Hispanic | 1.6% |
| White | 94.3% |
| Other | 4.6% |
| Missouri residents | 74.42% (undergraduates) |
| Male | 71.6% |
| Female | 28.4% |

*Fall 2000 Headcount

Source: 2000-2001 Statistical Summary of Missouri Higher Education (Tables 19a, 19b, 32a & 32b)

Transfer Students from Missouri Public Community Colleges* 82

*Fall 2001 degree-seeking undergraduate students

Source: 2000-2001 Statistical Summary of Missouri Higher Education (Tables 73a & 73b)

Bright Flight Scholarship Students¹ 778

Source: 2000-2001 Statistical Summary of Missouri Higher Education, Jan. 2001 (Tables 18a & 18b)

Byrd Scholarship Students (Missouri residents)² 35

Source: Missouri Department of Elementary and Secondary Education

• Entrance Requirements

Admission decisions are based on a combination of class rank and test score.

If the sum of the high school class rank percentile and aptitude examination percentile is:

120 or greater: The student is general directly admissible.

Compiled
by the
Missouri
Department of
Elementary
and Secondary
Education

December 2001

100-120: Students in this category may be admitted, but will receive advising, recommendations for remediation, and reduced academic schedules.
 Less than 100: Students in this category are encouraged to apply to UM through the Transfer Assistance Program (TAP)

Other information including activities, part-time employment or special circumstances may also be considered.

The following requirements have been established for general admission of first-time college (entering freshman) students.

- 4 units of English one of which may be in speech or debate. Two units emphasizing composition or writing skills are required.
- 4 units of Mathematics Algebra I and higher
- 3 units of Science, not including General Science, one of which must be a laboratory course
- 3 units of Social Studies
- 1 unit of Fine Art
- 2 units of a single foreign language

Source: 2000-01 UMR Undergraduate Catalog

- **Average ACT Score of 1995 Freshmen Class*³ 27.5**

*Fall 1995 degree-seeking, ACT-tested, first-time freshmen

Source: 1994-1995 Statistical Summary of Missouri Higher Education, Missouri Coordinating Board for Higher Education (Tables 1.1 & 1.2)

- **Tuition & Fees for Typical Full-time Undergraduate Student***

| <u>Missouri Resident</u> | <u>Non-resident</u> |
|--------------------------|---------------------|
| \$4,804 | \$12,973 |

*1999-2000 academic year

Source: 1999-2000 Statistical Summary of Missouri Higher Education

About the Education Program

- The teacher education program is housed in the College of Arts & Sciences. The education coordinator answers directly to the Dean. Students complete the teacher education program earns a BA or BS in their chosen field and then adds the coursework necessary to complete the approved teacher education.

- **Enrollment in Undergraduate Professional Education Programs* 113**

| | |
|--------------------|-------|
| American Indian | 0.0% |
| Asian | 0.0% |
| African American | 3.5% |
| Hispanic | 0.0% |
| White | 98.2% |
| Other | 0.0% |
| Nonresident Aliens | 0.0% |
| Unknown | 0.0% |

Missouri residents **94%**

| | |
|--------|-------|
| Male | 23.9% |
| Female | 76.1% |

*Fall 1999 Headcount (full-time students)

Source: Institution AACTE/NCATE Report or MoSTEP Annual Report, Oct 2000

Transfer Students from Missouri Public Community Colleges* **Not Reported**

*Fall 2001 degree-seeking undergraduate students

Missouri Teacher Education Scholarship Students ⁴ 4

Missouri Minority Teaching Scholarship Students ⁵

0

Source: Missouri Department of Elementary and Secondary Education

• Education Program Entrance Requirements

- A valid ACT score of a 22
- Cumulative GPA of 2.5 or above
- Completer at least 60 semester hours
- Passed all sections of CBASE with a score of 265 or higher
- Attained a minimum grade of "C" or higher in Speech 85, Eng 20 and 60
- Complete EDU 40 and 174 with a grade of "C" or higher

• Information about Education Program Completers ⁶

Completers of 1999-2000 teacher preparation program

3

Age

| | |
|-------------|------|
| Under 25 | 66% |
| 25-34 | 33% |
| 35-44 | 0.0% |
| 45-54 | 0.0% |
| 55 and over | 0.0% |

Semesters: Fall 1999, Winter 2000, and Summer 2000

Source: Missouri Department of Elementary and Secondary Education

Average ACT score ⁷ (applicants for certification)

26

Source: Missouri Department of Elementary and Secondary Education: Certification Files

C-BASE scores ⁸

Passed all five subjects *first time*

| Took Test | Passed all Subjects | English | | | Writing | | | Math | | | Science | | | Social St. | | |
|-----------|---------------------|---------|-----|------|---------|-----|------|------|-----|------|---------|-----|------|------------|-----|------|
| | | Min | Max | Medn | Min | Max | Medn | Min | Max | Medn | Min | Max | Medn | Min | Max | Medn |
| 3 | 2 | 296 | 343 | 320 | 312 | 331 | 332 | 352 | 403 | 378 | 354 | 428 | 391 | 314 | 416 | 365 |

Passed all five subjects, *one or more attempts* through August 2000

| Took Test | Passed all Subjects | English (313)* | | | Writing (314)* | | | Math (314)* | | | Science (306)* | | | Social St. (303)* | | |
|-----------|---------------------|----------------|-----|------|----------------|-----|------|-------------|-----|------|----------------|-----|------|-------------------|-----|------|
| | | Min | Max | Medn | Min | Max | Medn | Min | Max | Medn | Min | Max | Medn | Min | Max | Medn |
| 3 | 3 | 296 | 343 | 324 | 312 | 353 | 331 | 291 | 403 | 352 | 321 | 428 | 354 | 267 | 416 | 314 |

*state median score

Source: Assessment Resource Center

Employed in Missouri public schools⁹ in 2000-2001*

2(67%)

Missouri Public School districts employing University of Missouri - Rolla 1999-2000 program completers

2

Source: Missouri Department of Elementary and Secondary Education

Program completers in private school or out-of state

1 (33%)

Source: Title II of the Higher Education Act Institutional Report, Academic year: 1999-2000

*Does not include individuals who received their teaching credentials but were employed in another field or unemployed

RESOURCES

Institution

• Full-time Faculty at UMR

347

Source: 2000-2001 Statistical Summary of Missouri Higher Education (Tables 44a & 44b)

Education Program

- Full-time Education Program Faculty 1
 - American Indian 0
 - Asian 0
 - African American 0
 - Hispanic 0
 - White 1
 - Nonresident Aliens 0
 - Other 0
 - Male 0
 - Female 1
 - Doctorate Degree 1
 - Missouri Teaching Certificate 1
 - National Board Certification 0

- Adjunct Education Program Faculty 4
 - Full-time with the institution, part-time in education 4
 - Part-time in education 0

Source: Institution AACTE/NCATE Report, Oct. 1, 2000 &/or MoSTEP Report Form A & B, Missouri Addendum 2, Oct. 2000

EDUCATION PROCESSES

Institution

- Student-to-Faculty Ratio* 13:1
- Average Class Size* 25

*undergraduate program

Source: <http://www.umar.edu/>

Education Program

- Student-to-Faculty Ratio 14:1
- Average Class Size 8

Source: UMR, 2002

• Educational Philosophy

The central theme adopted by the Teacher Education Program is the teacher as Reflective Decision-maker and Reflective Thinker. Professional Educators must be knowledgeable about:

- The historical, sociocultural, and political contexts of schooling
- The characteristics and needs of students and/or school personnel
- Curriculum and competencies young people must acquire to become productive, lifelong learners, including academic content, "real-life" skills, and technology
- Educational theories, policies, approaches, and research

- The knowledge bases specific to the professional roles they have chosen to perform

Educators must have the professional skills necessary to develop, implement, manage, and assess educational programs. Students also are expected to acquire the skills needed to collaborate with colleagues, parents, and others in the development of effective programs.

Professional Educators should express personal attributes which facilitate students learning and promote psychological well-being. These educators must be highly skilled practitioners, active listeners, good communicators, willing collaborators, and genuinely concerned about the welfare of both individual students and society.

- Practical Experience Requirements for Education Majors

The students enrolled at the University of Missouri – Rolla take their first field experience during their freshman year. The experience includes sixty hours of observation in a public school, action research, and three seminars at the campus. The students are placed with one or two teachers during this assignment.

The second experience is in a different school during the sophomore year. Consideration is given to place them for diversity in the school. The assignment is made in their discipline area with one teacher. For example if a history major observed American History, psychology in the first assignment then for the second experience would be in World History, geography and/or government classes.

The student teaching assignment is the placement. This comes after all course work and exams, (ACT, CBASE, and PRAXIS) have been completed on campus. The two assignments are made with experienced teachers in the public schools within 30 miles of Rolla. The first eight-week assignment has an emphasis with making lessons plans, positive reinforcement, interaction with students, faculty, and administrators, and presenting the lessons while teaching about 270 hours. The second assignment is in a different school. The emphasis is on questioning strategies, varying teaching approaches, and correcting any other weakness identified or the need for more assistance. The teaching hours are about the same for each eight weeks. The supervisor is the full time faculty with 18 years of elementary and secondary teaching experience, a doctorate, and 17 years of supervising student teachers. Also, a portfolio must be completed by the time student teaching is finished.

Source: UMR, 2002

- Information about supervised student teaching

- The number of students who were in programs of supervised student teaching during academic year 1999-2000? 3
- Total number of supervising faculty for the teacher preparation program during 1999-2000: 5
- The student/faculty ratio was: 3/5
- The average number of hours per week required of student participation in supervised student teaching in these programs was: 35 hours. The total number of weeks of supervised student teaching required is 16. The total number of hours required is 560 hours.

Source: Title II of the Higher Education Act Institutional Report, Academic year: 1999-2000

- Professional Development School(s)

St James Public School has a Professional Development School Partnership initiated in 1998 and the Salem agreement was signed in 2000. The partnership with the University of Missouri - Rolla has provided excellent opportunities for the university students to do clinical work in the schools and for the districts teachers to take advantage of the educational opportunities on the university campus.

Source: UMR, 2002

- Co-curricular Programs

Over 190 diverse organizations exist on the University of Missouri – Rolla campus. The Missouri State Teachers Association and Phi Delta Kappa are especially for education students.

Source: UMR, 2002

- Instructional Technology Requirements

The computer is utilized in each of the education classes. Students utilized the web as an additional resource in their education courses. Other technology such as CD roms, graphing calculators, smart boards, VCR's, camcorders and overheads are used in education courses by students and instructors. Students learn how to incorporate technology into their lesson plans during methods classes and student teaching.

Source: UMR, 2002

PERFORMANCE

- Missouri certificates* issued to **UMR** education 1999-2000 program, by subject area and grade level

| Subject Area | Grade Level | Recommended for Certification |
|--------------|-------------|-------------------------------|
| English | 9-12 | 1 |
| Mathematics | 9-12 | 2 |
| Total | | 3 |

*Number of certificates issued, not number of graduates

Source: Missouri Department of Elementary and Secondary Education

- Performance of Program Completers* on Praxis II Exit Exam¹⁰

| Test Name | Total Examinees | Passing Percentage | Qualifying Score | Institutional Average | Missouri Average | National Median |
|--|-----------------|--------------------|------------------|-----------------------|------------------|-----------------|
| English Lang., Lit. & Comp.: Content Knowledge | 1 | 100% | 158 | + | 176 | 176 |
| Mathematics: Content Knowledge | 2 | 100% | 137 | 145 | 154 | 143 |
| Total | 3 | 100% | | | | |

*Program Completers as defined by "Title II of the Higher Education Act", Academic year: 1999-2000

+ Institutional Average not provided for less than 2 examinees

Source: Educational Testing Service

- Follow-up on UMR Program Completers

Education program completers who received initial

Missouri certification in 1994 The University of Missouri-Rolla did not have any program completers for calendar year 1994.

Major Employers¹²

Missouri school districts employing UMR graduates* 63

The University of Missouri - Rolla had 103 graduates teaching in Missouri public schools during the 2000-01 school year.

School districts employing 6 percent or more of University of Missouri - Rolla's 103 graduates teaching in Missouri public schools during the 2000-01 school year

St James 6% (6)

*Includes all graduates of UMR employed in the district, not just those who completed the education program

Source: Missouri Department of Elementary and Secondary Education

STARR Teachers¹³

0

National Board Certified Teachers¹⁴

0

Missouri Teachers of the Year¹⁵

0

Source: Missouri Department of Elementary and Secondary Education

Other Honors and Awards Earned by Graduates

Mary Gillis (English)

Phi Delta Kappa Outstanding Young Teachers Award
Missouri Association of College Teachers Educators